

FLAME-RETARDANT RESIN COMPOSITION FOR LAMINATION

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Abstract

PROBLEM TO BE SOLVED: To obtain a resin composition which can give a laminate improved in flame retardancy, environmental safety, soldering-heat resistance, and peeling strength by mixing a melamine-modified phenol-formaldehyde resin with a condensed phosphoric acid ester in a specified ratio.

SOLUTION: This composition is obtained by mixing 30-80 wt.% melamine-modified phenol/formaldehyde resin selected among a cocondensate of a phenol with a melamine and formaldehyde, a mixture thereof with a cocondensate of a phenol with formaldehyde, and a mixture of a phenol/formaldehyde condensate with a melamine/formaldehyde condensate and having a nitrogen content of 2-30 wt.% with 10-50 wt.%, desirably, 2-30 wt.% condensed phosphoric acid ester, for example, one having a melting point of 80 deg.C or above and represented by the formula (wherein R<1> and R<2> are each an alkyl; m is 0 or 1-3, and n is 0 or 1-2).

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